

R. Gantzel

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JUN 12 2001

TECH CENTER 1600/2900

1644

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/470,494A

DATE: 05/23/2001
TIME: 12:36:29

Input Set : A:\I2777007.txt
Output Set: C:\CRF3\05232001\I470494A.raw

4 <110> APPLICANT: Newell, Martha Karen
5 Wagner, David H.
6 Newell, Evan
8 <120> TITLE OF INVENTION: Use of CD40 Engagement to Alter T Cell
9 Receptor Usage
11 <130> FILE REFERENCE: I02777007/HCL/KA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/470,494A
14 <141> CURRENT FILING DATE: 1999-12-22
16 <150> PRIOR APPLICATION NUMBER: U.S. 60/114,106
17 <151> PRIOR FILING DATE: 1998-12-29
19 <160> NUMBER OF SEQ ID NOS: 2
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1816
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo Sapiens
28 <400> SEQUENCE: 1
29 cttctctggc agaagatacc atttcaactt taacacagca tgatcgaaac atacaaccaa 60
30 acttctcccc gatctgcggc cactggactg cccatcagca tgaaaatttt tatgtattta 120
31 cttaactgttt ttcttatcac ccagatgatt gggtcagcac ttttgctgt gtatcttcat 180
32 agaagggtgg acaagataga agatgaaagg aatcttcatg aagattttgt attcatgaaa 240
33 acgatacaga gatgcaacac aggagaaaaga tccttatcct tactgaactg tgaggagatt 300
34 aaaagccagt ttgaaggctt tgtgaaggat ataatgtta acaaagagga gaccaagaaaa 360
35 gaaaacagct ttgaaatgca aaaaggtgat cagaatcctc aaattgcggc acatgtcata 420
36 agtggggcca gcagtaaaac aacatctgtt ttacagtggg ctgaaaaagg atactacacc 480
37 atgagcaaca acttggtaac cctggaaaat gggaaaacagc tgaccgttaa aagacaagga 540
38 ctctattata tctatgccca agtcacccctc tgttccaatc gggaaatcttc gagtcaagct 600
39 ccatttatag ccagcctctg cctaaagttc cccggtagat tcgagagaat cttaactcaga 660
40 gctgcaaata cccacagttc cgccaaacct tgcgggcaac aatccattca ctggggagga 720
41 gtatttgaat tgcaaccagg tgcttcggtg tttgtcaatg tgactgtatcc aagccaagt 780
42 agccatggca ctggcttcac gtcctttggc ttactcaaac tctgaacagt gtcacccctgc 840
43 aggctgttgt ggagctgacg ctgggagttc tcataataca gcacagcggtaaagccacc 900
44 ccctgttaac tgcctattta taaccctagg atccttccta tggagaacta tttattatac 960
45 actccaaggc atgtagaact gtaataagtg aattacaggt cacatgaaac caaaacgggc 1020
46 cctgctccat aagagcttat atatctgaag cagcaacccc actgtatgcag acatccagag 1080
47 agtcctatga aaagacaagg ccattatgca caggttgaat tctgagtaaa cagcagataa 1140
48 cttgccaagt tcagtttgt ttcttcggc gcagttgtt tccatggata atgcatttga 1200
49 ttatcagtg aagatgcaga agggaaatgg ggagccttag ctcacattca gttatggttg 1260
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51 agaaccgaaa ccccccccccc cccccccggc accctctcg 1380
52 aatctctctc tctccatctc tctcttcag tctctctctc tcaacctt tcttccaatc 1440
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54 tcaatcccccc tttcttaacac acacacacac acacacacac acacacacac 1560
55 acacacacac acacacacac agatgcaggc cggttgcgtt cagttctt cttccaccc 1620
56 tgccttatac tctaccacta tagatgaggg tgaggagtag ggagtgcagc cctgagccctg 1680
57 cccactcctc attacgaaat gactgtattt aaaggaaatc tattgtatct acctgcagtc 1740
58 tccattgttt ccagagtgaa cttgtatc tatttttga ataataaaaga 1800

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59	cctcttaaca	ttaaaa		1816
61	<210>	SEQ ID NO:	2	
62	<211>	LENGTH:	261	
63	<212>	TYPE:	PRT	
64	<213>	ORGANISM:	Homo Sapiens	
66	<400>	SEQUENCE:	2	
67	Met Ile Glu Thr Tyr Asn Gln Thr Ser Pro Arg Ser Ala Ala Thr Gly			
68	1	5	10	15
69	Leu Pro Ile Ser Met Lys Ile Phe Met Tyr Leu Leu Thr Val Phe Leu			
70	20	25	30	
71	Ile Thr Gln Met Ile Gly Ser Ala Leu Phe Ala Val Tyr Leu His Arg			
72	35	40	45	
73	Arg Leu Asp Lys Ile Glu Asp Glu Arg Asn Leu His Glu Asp Phe Val			
74	50	55	60	
75	Phe Met Lys Thr Ile Gln Arg Cys Asn Thr Gly Glu Arg Ser Leu Ser			
76	65	70	75	80
77	Leu Leu Asn Cys Glu Glu Ile Lys Ser Gln Phe Glu Gly Phe Val Lys			
78	85	90	95	
79	Asp Ile Met Leu Asn Lys Glu Glu Thr Lys Lys Glu Asn Ser Phe Glu			
80	100	105	110	
81	Met Gln Lys Gly Asp Gln Asn Pro Gln Ile Ala Ala His Val Ile Ser			
82	115	120	125	
83	Glu Ala Ser Ser Lys Thr Thr Ser Val Leu Gln Trp Ala Glu Lys Gly			
84	130	135	140	
85	Tyr Tyr Thr Met Ser Asn Asn Leu Val Thr Leu Glu Asn Gly Lys Gln			
86	145	150	155	160
87	Leu Thr Val Lys Arg Gln Gly Leu Tyr Tyr Ile Tyr Ala Gln Val Thr			
88	165	170	175	
89	Phe Cys Ser Asn Arg Glu Ala Ser Ser Gln Ala Pro Phe Ile Ala Ser			
90	180	185	190	
91	Leu Cys Leu Lys Ser Pro Gly Arg Phe Glu Arg Ile Leu Leu Arg Ala			
92	195	200	205	
93	Ala Asn Thr His Ser Ser Ala Lys Pro Cys Gly Gln Gln Ser Ile His			
94	210	215	220	
95	Leu Gly Gly Val Phe Glu Leu Gln Pro Gly Ala Ser Val Phe Val Asn			
96	225	230	235	240
97	Val Thr Asp Pro Ser Gln Val Ser His Gly Thr Gly Phe Thr Ser Phe			
98	245	250	255	
99	Gly Leu Leu Lys Leu			
100	260			

VERIFICATION SUMMARY
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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number